

ABSTRACT OF THE DISCLOSURE

An acoustic inkjet printing apparatus focusing acoustic waves generated by transducers and ejecting droplets of a printing liquid from a surface thereof by means of a sound pressure of the acoustic wave, the acoustic inkjet printing apparatus comprising: a printing liquid containing chamber containing the printing liquid; a piezoelectric element including a main transducer and at least one sub transducer located on at least one side of the main transducer, and generating the acoustic wave by receiving a signal; and an acoustic focusing member focusing the acoustic wave generated by the piezoelectric element near the surface of the printing liquid, thereby ejecting the droplets of the printing liquid, the acoustic inkjet printing apparatus being capable of switching between a first ejection mode in which the droplets are ejected in a first direction perpendicular to a liquid surface in the printing liquid containing chamber and a second ejection mode in which the droplets are ejected at an angle to the first direction by applying or not applying a drive signal to the sub transducer in accordance with image printing data, while the drive signal is being applied to the main transducer of the piezoelectric element.